

# New York State Department of Transportation

## Yellow Flag NB2228W006

By: Ben Colangelo

Flag Date: March 18, 2022

Superseding Information:

This flag supersedes: YF NB2122W028

### Structure Information

**BIN: 1065318**

Feature Carried: 278I278IX2M23027

Feature Crossed: 6TH AVENUE

Orientation: 8 - NORTHWEST

Region: 11 - NEW YORK CITY

County: KINGS

Political Unit: City of NEW YORK

Approximate Year Built: 1962

Posted Load Matches Inventory : Yes

Bridge Load Posting (Tons) : Not Posted for Load

Primary Owner: New York State Department of Transportation

Primary Maintenance Responsibility: 12 - State - Subcontracted to another Party

Typical or Main Span Type: 3 - Steel, 02 - Stringer/Multi-Beam or Girder

This Bridge is not a Ramp

Number of Spans: 322

### Verbal Notification Information

Person Notified: Heinz Joachim, P.E.

Date: March 18, 2022 1:00:00 PM

Of: NYSDOT Region 11

### Signature Information

Signature: Ben Colangelo, P.E. 068498

Date: April 01, 2022

Reviewed By: Robert Kemp

Date: April 01, 2022

Attachments: 6

**Flagged Elements**

Parent Element	Element	Total Quantity	Unit
<b>Span Number : 187</b>			
	107 - Steel Open Girder/Beam	989	ft

**Flagged Condition Description**

\*QC Note: This flag was re-inspected by Sahadeo Bhagwandin, P.E. No. 088239, but due to a software glitch, is being entered into BDIS (EAM) under Ben Colangelo, P.E.\*

This Yellow Flag No. NB2228W006 is superseding previous Yellow Flag No. NB2122W028

Location: Span 187, Girder G1 at Pier 187.

Description: The left clip/connection angle of Girder G1 connection to the pier cap at Pier 187 exhibits a 2-3/4" long vertical crack x 1/4" wide at the lower fillet section (deterioration induced cracking, no change from the previous).

Notes:

- 1.The affected member Girder G1 is a load path redundant steel girder consisting of a web depth of 19.27" inches and thickness of 0.608 inches and is located into the roadway approximately 12" off the edge of the curb line/safety walk above.
- 2.The right stiffener/connection angle of Girder G1 to Pier 187 does not have deterioration induced cracking but does have a 3" L x 2" H corrosion hole at the base.
- 3.The adjacent Girder (right) G2, with a spacing of 5'-3" on center from G1, is in fair condition.
- 4.The adjacent Stringer (left) S1, with a 2'-0" spacing on center from G1, acts as a support for the railing and curb area above has corrosion at the right bottom flange angle with 1/8" section loss for 4' length.
- 5.A double left lane closure on 3rd Avenue Westbound between 33rd and 35th Streets with shadow vehicle and a 35' bucket truck is required to access the flagged location.

**Flag Photographs**

Photo Number: 1

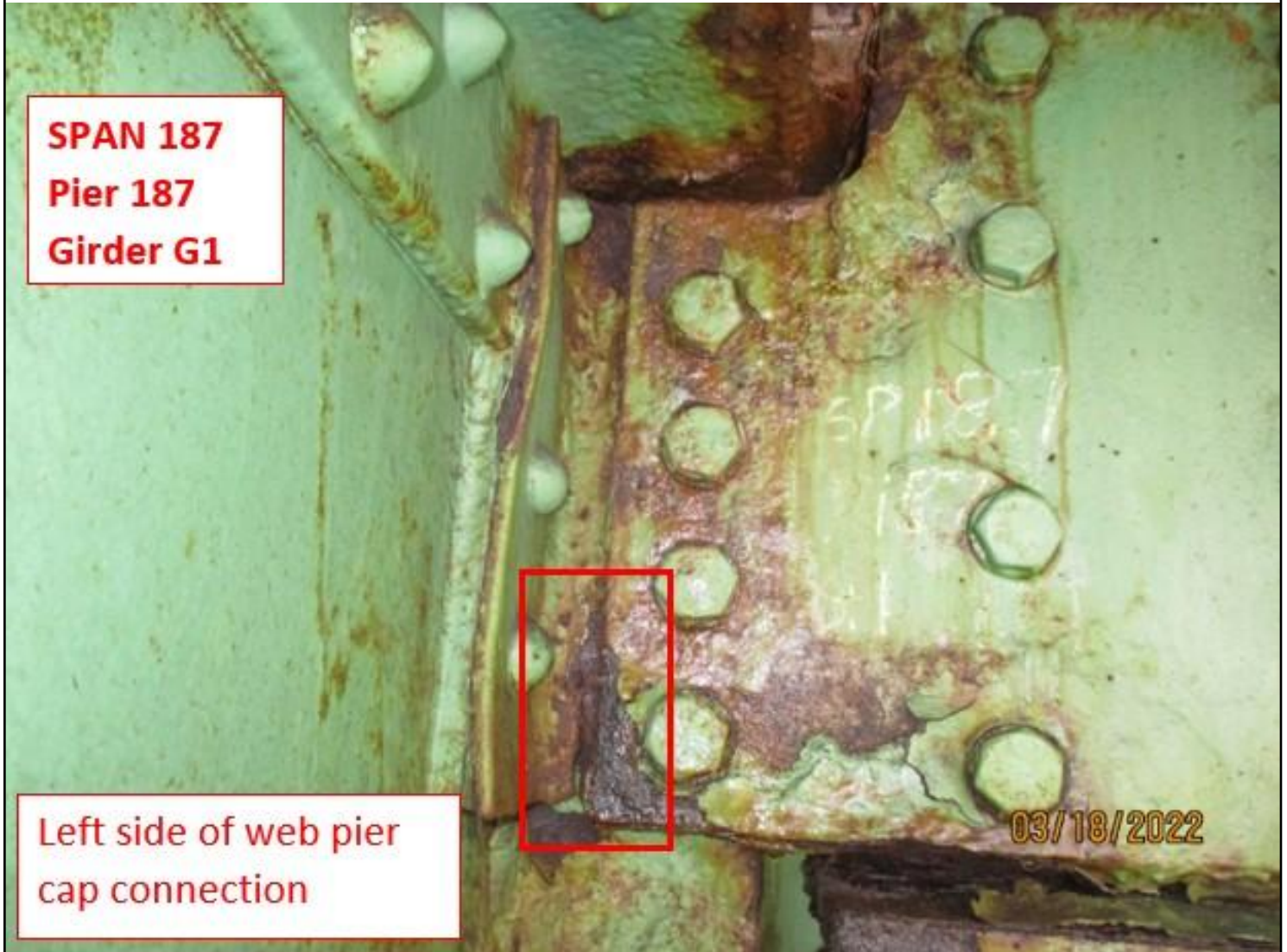
Photo Filename: Photo 4372.jpg



**Attachment Description:** Span 187, Girder G1 at Pier 187. General view of flagged location at pier cap connection. Looking end.

Photo Number: 2

Photo Filename: 2-Photo 4355.jpg



**Attachment Description:** Span 187, Girder G1 at Pier 187. General view of 2.75" long crack at lower fillet of clip connection angle at left side of web at pier cap connection. Looking right.



Photo Number: 3

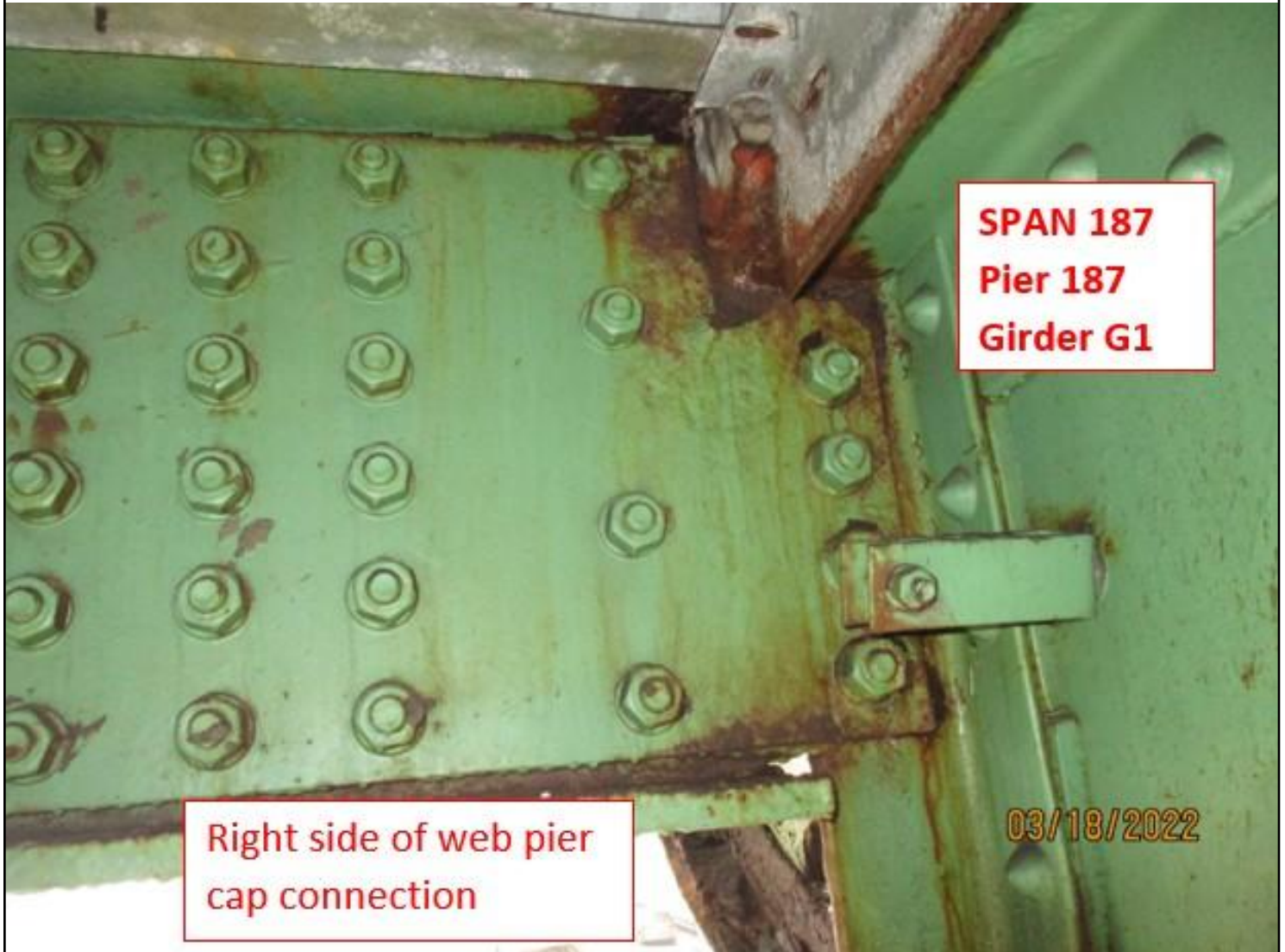
Photo Filename: 3-Photo 4350.jpg



**Attachment Description:** Span 187, Girder G1 at Pier 187. Close up view of 2.75" long x 1/4" wide corrosion crack at lower fillet of clip connection angle at left side of web at pier cap connection. Looking right.

Photo Number: 4

Photo Filename: 4 - photo 4361.jpg



**Attachment Description:** Span 187, Girder G1 at Pier 187. General view of stiffener connection angle in good condition at right side of web at pier cap connection. Looking left.

Photo Number: 5

Photo Filename: Sketch.jpg

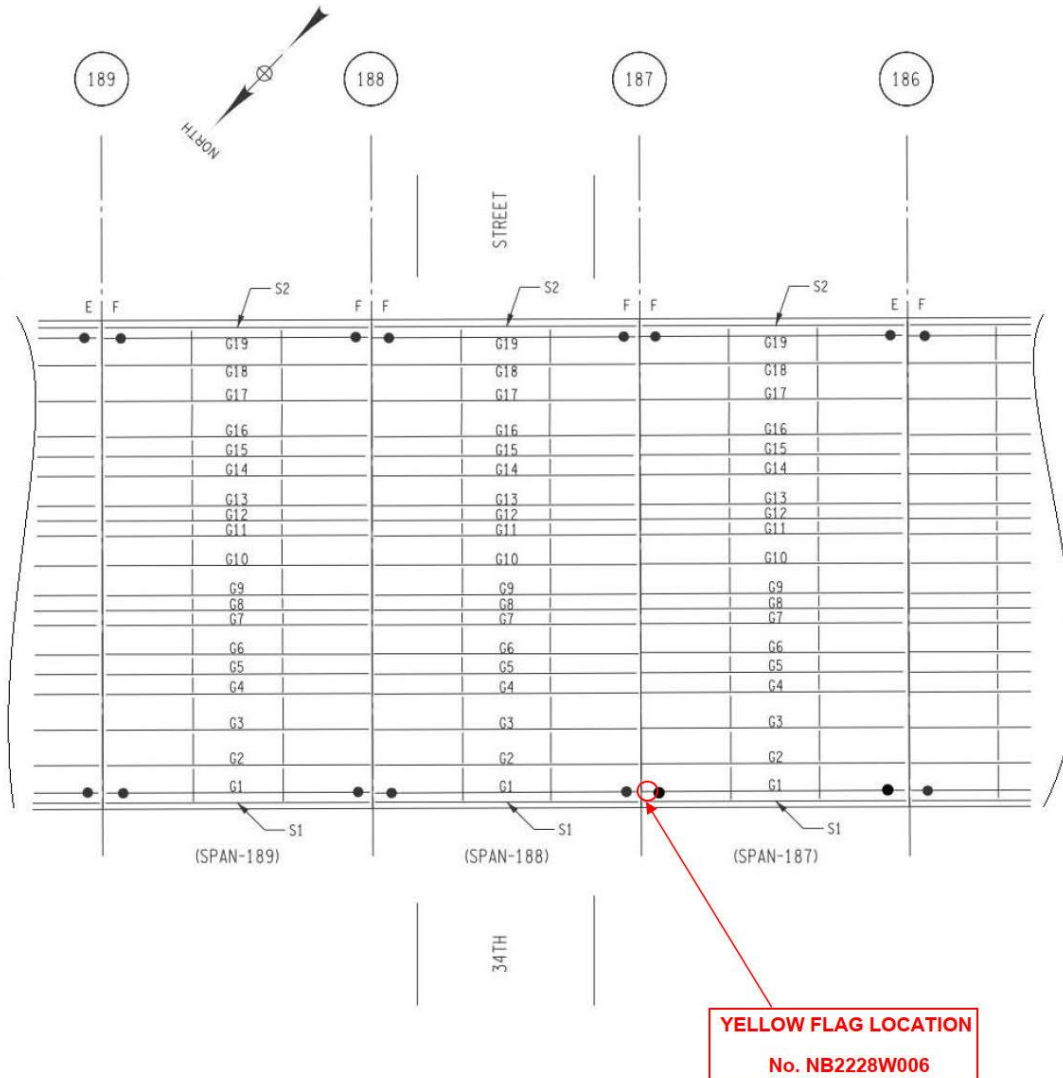
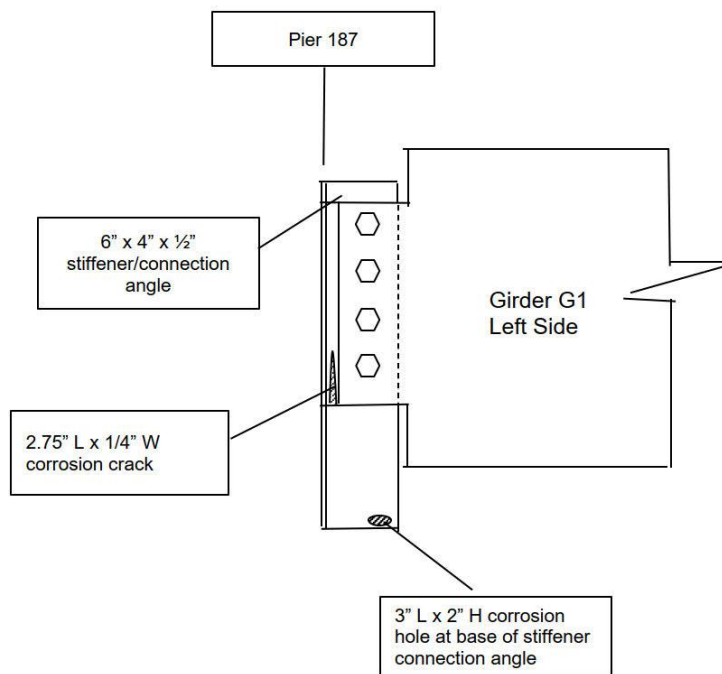
**Attachment Description: Framing Plan**

Photo Number: **6**Photo Filename: **Sketch.jpg**

**SPAN 187, GIRDER G1 BEAM END AT PIER 187**

***Attachment Description: Sketch***